

OPTICAL MODULE WITH LENS INTEGRAL HOLDER  
FABRICATION METHOD

Steven Webster

Thomas P. Glenn

Roy Dale Hollaway

5

ABSTRACT

A method of forming an optical module includes mounting an image sensor to a base of a substrate and bonding a lens housing to a sidewall of the substrate. A mounting surface of the lens housing includes a locking feature having a horizontal surface and a vertical surface. The sidewall of the substrate includes a joint surface. To bond the lens housing to the sidewall of the substrate, a bond is formed between the horizontal surface of the locking feature of the lens housing and the joint surface of the sidewall. Further, a bond is formed between the vertical surface of the locking feature of the lens housing and an interior surface of the sidewall.